RE0 (7	THIS RFQ X] [] [S NOT A SMALL BUSINE	SS SET-ASIE	DE	PAGE OF	PAGES 11						
1. REQUEST I	3. REQUISITION/PURCHASE REQUEST NO.			4. CERT	FOR NAT. DEF.		1 ++						
N00173-14-Q-0046				61-0510-14			UNDER BDSA REG. 2 AND/OR DMS REG. 1						
5a. ISSUED B	Υ							R BY (Date)					
Supply	Officer (Cod					375	7. DELIVE	L/16/2014					
5b. FOR INFORMATION CALL (NO COLLECT CALLS) NAME TELEPH						NE NUMBER		B DESTINATION	OTHI				
AREA					NUME		L		INATION	Schedule)			
Donna S	peight			202	767	-0105	a. NAME (OF CONSIGNEE					
			8. TO:	L			Nav	al Research	n Labora	tory			
a. NAME			b. CO	MPANY			b. STREET	ADDRESS					
ALL QUO							4555 Overlook Ave SW						
c. STREET AD	DRESS						c. CITY	4 12					
d. CITY				e. STATE	f 71P	CODE	d. STATE	nington e. ZIP CODE					
d. Ciri				B. SIAIL	f. ZIP CODE			DC 20375					
BEFORE C	URNISH QUOTATION: DFICE IN BLOCK 5a O CLOSE OF BUSINESS (N OR (Date)	so indicate on costs incurred domestic origi Quotation mus	this form and in the prepara- in unless otherv st be completed	return it tion of th vise indic I by the q	ormation, and quotations to the address in Block 5 te submission of this quo ated by quoter. Any reputer.	furnished are a. This requitation or to or resentations	e not officers. If your common tract for supplie and/or certification	it the Government	nent to pay any			
ITEM NO.	T		S/ SERVICES	L 11101000 01	Spriodor	QUANTITY	UNIT	UNIT PRICE	AN	MOUNT			
(a)			(b)			(c)	(d)	(e)		(f)			
	See Attache	d Conti	nuation	Sneets	28								
12 DICCOLL	NT FOR PROMPT R	. VA AFNIT	a. 1	0 CALENDAR I	DAYS	b. 20 CALENDAR DAYS	c. 30 CAL	ENDAR DAYS (%)	d. CALE	NDAR DAYS			
12. DISCOU	NT FOR PROMPT PA	AYIVIENI							NOWIBER	I CHUCINIAUE			
NOTE: Add	ditional provisions	and repres	sentations	T are	Па	re not attached.							
		ND ADDRESS	-		-	14. SIGNATURE OF PER	SON AUTHO	ORIZED TO	15. DATE C	F QUOTATION			
a. NAME OF C	QUOTER					SIGN QUOTATION							
b. STREET AD	DDRESS							16. SIGNER		-			
20024 (2000) 2007 AB ST. (1975)	2000 COCC 2005 C					a. NAME (Type or print)			b. TELEPHONE				
c. COUNTY							AREA CODE						
d. CITY			e. STATE	f. ZIP CODE		c. TITLE (Type or print)	LE (Type or print) NUMBER						

STANDARD FORM 36 JULY 1966 GENERAL SERVICES ADMINISTRATION FED. PROC. REG. (41 CFR) 1-16.101		INISTRATION CONTINUATION SHEET			REF. NO. OF DOC. BEING CONT'D			
			2100172 14	2 1				
NAME OF OFFER	ROR CONTRACTO	DR ·	N00173-14-Q-0046					
ALL QUOTERS	2					80		
ITEM NO.	3	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT	AMOUN'		
				-	PRICE			
001	T. 110 Y		1			Ų.		
S T do si in m cri bi m st no of G in (H w S S	STA 449 Jupiter Simultaneous Thermal analyzer (TG-DSC/DTA Apparatus) Temperature range: according to selected furnace -150 2400 degrees C, for Cp determination up to 1500 degree C (with suitable furnaces and sample carriers) consisting of: basis system including a top-loading micro balance (digital resolution lug, maximum sample load/measurement range 35g including sample crucible), electric motor driven furnace hoist (basic system) and built-in furnace control and power supply. The system has three magnetic valves and gas frits for purge gas inlet to the sample as standard equipment. It is suitable for measurements under normal atmosphere, in dynamic and static inert gas atmosphere. The instrument is vacuum tight (10E-4 mbar). Proteus measurement and analysis software for STA 449 F3 for data acquisition, storage and evaluation under MS windows. Includes Marcorecorder Features: Multitasking with simultaneous operation of several thermoanalystical systems and simultaneous Graphical interface, integrated detailed help system detailed information: see technical data sheet STA windows software (Hardware requirements: STA 449 F3 required PC with MS windows and printer per technical datasheet) OPN: STA400F3A01			EA				
	N: STA400F3A							
	ccessory Kit for to voting mechanism	furnace hoist for two furnaces, with manual n	1	EA				
	PN: HTP40000A N: HTP40000A0							
frove w. w. C. 24	om tungsten for acuum, radiation ater-cooled, connorking temperatu, in helium atmos 400 degree C. ma	re vacuum tube furnace with heating element measurements under helium atmosphere and shield pack from tungsten, furnace jacket ection for high vacuum pumping system, re range in high vacuum 400 2400 degrees phere 25 2400 degree C, max temperature x power consumption 15 kW, included bry, display range -1 0 .6 bar	1	EA				
P/	N: HTP4000A8	9.000-00						
				1				

STANDARD FORM 36 JULY 196 GENERAL SERVICES ADMINISTRA		REF. NO. OF DO	REF. NO. OF DOC. BEING CONT'D			
FED. PROC. REG. (41 CFR) 1-16.1	41 CFR) 1-16.101		N00173-14-Q-0046			
NAME OF OFFEROR CONT	RACTOR	1100173-1-	r-Q-0040			
ALL QUOTERS						
ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT	
radiation sh (exchangeal temperature	er system for TG measurements, complete with eld, thermocouple W3%Re-W25%Re le), sample crucibles NGB809001 from tungsten range 25 2400 degree C (protective gas)	1	EA			
P/N: HTP40	000A52.000-00					
furnace, cor current Isola monitoring highest tem	rer supply system for 2400 degree C tungsten sisting of: 19" cabinet power control 15.0 kVA, ting transformer 12.0 kVA safety device for protective gas flow and cooling water flow for erature furnaces (2000 degree C/2400 degree C/2 wer supply 230 VAC +/-10 %, 50/60 Hz, single		EA	æ		
P/N: HTP40	000A30.010-00					
degree C), h	bath circulator, cooling capacity 260 W (at 20 cating capacity 2000 W, multifunction display, arts, power supply 115 V/60 Hz	I	EA			
P/N: 6.226.1	-90.6.00	8 0				
Processor co DVD + RW	stem, English version, consisting of desktop PC, re i5, 3.10 GHz, RAM 4 GB, hard disk 500 GB drive, widescreen LCK monitor 22" Ultra VGA professional / 32 bit Interfaces: serial, USB, Ethe	,	EA			
P/N: 1.400.6	9-50.0.00A					
DTA evalua Calculation with addition onset-, peak search tabul determination	ension for TG/STA/DIL instruments for adding of ion features: and graphic presentation of the c-DTA curve togetal measuring curves (optional) ability to evaluate, inflection point, end temperature automatic peated printout for ASCII file export of the c-DTA in of single values of the c-DTA curve (Required: software, required PC with MS windows per	ether te k	EA			
technical da	asheet)					

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STANDARD FORM 36 JULY 1966 GENERAL SERVICES ADMINISTRATION		MINISTRATION CONTINUATION SHEET			REF. NO. OF DOC. BEING CONT'D			
FED. PROC. REG. (41 CFR) 1-16.101				8				
			N00173-1	4-Q-0046				
NAME OF OFFEROI	R CONTRACTO	DR .						
ALL QUOTERS								
ITEM NO.		SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT		
	-				Project Control			
DSC rang	Calibration sample kit with 8 substances 400 mg each for DSC/DTA calibration of enthalpy and temperature. Temperature range ambient 1500 degree C, in wooden case with foam lining and certificate of compliance, for use in AI203 crucibles							
P/N	6.223.5-91.00							
degr drivi for r	High vacuum pumping systems for instruments with 2400 degree C-furnace turbo molecular pump (30 I/s), with mounted driving electronics, two-stage vane-type rotary pump (4 m 3/h) for rough vacuum, with vacuum measuring tube and vacuum measuring instruments with digital display (115/230 V, 50/60 Hz)							
P/N	HTP40000A8	9.043-00						
repla outp calib and a ml/n	E gas control become the magnitude, for non-contracted for Ne, consynthetic air, conin up to 250 registration of	d 3 ures, CO2 rate 5	EA					
P/N:	HTP40000A1	0.000-00						
	ple crucible fro NGB809001	om tungsten for TG measurements	6	EA				
	ible from grap GB445333	hite, 0.3 ml	10	EA				
meas	ible from tung surements NGB808999	sten, 0.08 ml (2400 degree C) for TG-DT	A 16	EA .				
	ible from grap GB427607	hite, 0.15 ml	17	EA		12		
016 Cruc	ible from AI2	03, 0.15 ml	2	EA				

STANDARD FORM 36 JULY 1966 REF. NO. OF DOC. BEING CONT'D PAGE OF CONTINUATION SHEET GENERAL SERVICES ADMINISTRATION FED. PROC. REG. (41 CFR) 1-16.101 2 c 11 N00173-14-Q-0046 NAME OF OFFEROR CONTRACTOR **ALL QUOTERS** ITEM NO. QUANTITY UNIT AMOUNT SUPPLIES/SERVICES PRICE 017 Crucible from zirconia, 0.15 ml 8 EA P/N: GB399148 018 Crucible liner from boron nitride suited for tungsten crucible 6 EA GB453520 and NGB808999 P/N: NGB805943 019 Sample carrier system for TG-DTA measurements, thermocouple EA W3%Re-W25%Re, without radiation shield, without crucibles P/N: HTP4000A53.010-00 020 Operating instructions STA 449 F3 English 1 EA P/N: BA0STA449F3-EN 021 Voltage/Frequency: 115(+/-10%) / 60Hz 1 EA Note: The standard electrical design of the instrument is for a line voltage of 115 V, single phase, 60 hz. Please note differing power requirements of some special items (e.g. power supply and sample preparation machines) 022 Set of Spare Parts and Software consisting of: Calibration EA 1 substance NGB813700 (Ni-C) Eutectics from metal-carbon serve in general for temperature calibration STA 449, equipped tungsten furnace, WRe TG-DTA sample carrier and graphite crucible GB427607. The melting point of NI-C is a 1329 degree C. Scope of delivery: 3 pieces with certificate of compliance and calibration instructions. P/N: HTP40000A93.021-02 023 EA Calibration substance NGB813701 (Pd-C) Eutectics from metal carbon serve in general for temperature calibration STA 449,

equipped tungsten furnace, WRe TG-DTA sample carrier and graphite crucible GB427607. The melting point of Pd-C is at 1492 degree C. Scope of compliance and calibration instructions.

P/N: HTP40000A93.021-03

STANDARD FORM 36 JULY 1966 GENERAL SERVICES ADMINISTRATION FED. PROC. REG. (41 CFR) 1-16.101		CONTINUATION SHEET	REF. NO. OF DOC. BEING CONT'D NO0173-14-Q-0046				OF 11
NAME OF OF	FEROR CONTRACT	OR	1 -100-10-1	2 00 10			
ALL QUOT	ERS T	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT	AMO	UNT
		SOIT BIES/SERVICES			PRICE		
			*** ***				
024	carbon serve in go equipped tungster graphite crucible 1738 degree C. So	ence NGB813702 (Pt-C) Eutectics from metal eneral for temperature calibration STA 449, in furnace, WRe TG-DTA sample carrier and GB427607. The melting point of Pt-C is at cope of delivery: 3 pieces with certificate of	1	EA			
	P/N: HTP40000A	alibration instructions.					
025	Calibration substacarbon serve in ge equipped tungster graphite crucible 1953 degree C. So	ance NGB813703 (Ru-C) Eutectics from metal- eneral for temperature calibration STA 440, a furnace, WRe TG-DTA sample carrier and GB427607. The melting point of Pu-C is a cope of delivery: 3 pieces with certificate of alibration instructions.	1	EA			
	P/N: HTP40000A	93.021-05					
026	Service Installation and T	raining - up to 3 working days.	1	EA			
	BRAND NAME	OR EQUAL					
		e include a published price list or a cost turn the RFQ package to the following fax -6678.					
	be emailed to Solo	ncerning this Request for Quotation (RFQ) must QnA@nrl.navy.mil at least five (5) days date shown in block 10 on page 1 of the RFQ.					
					a		